



GENITAL LIPOFIBROMA : A RARE CASE REPORT

Dermatology

Dr. Shreya Moozhiyil	Junior Resident, Department of Dermatology, Venereology & Leprosy, Sree Balaji Medical College & Hospital, Bharath University, Chennai 600044, Tamil Nadu, India.
Dr. Ragini Rajan	Senior Resident, Department of Dermatology, Venereology & Leprosy, Sree Balaji Medical College & Hospital, Bharath University, Chennai 600044, Tamil Nadu, India.
Dr. Vipul Paul Thomas	Junior Resident, Department of Dermatology, Venereology & Leprosy, Sree Balaji Medical College & Hospital, Bharath University, Chennai 600044, Tamil Nadu, India.
Dr. Jayakar Thomas*	HOD & Professor, Department of Dermatology, Venereology & Leprosy, Sree Balaji Medical College & Hospital, Bharath University, Chennai 600044, Tamil Nadu, India. *Corresponding Author

ABSTRACT

Lipofibroma is described as a solitary pedunculated form of Nevus Lipomatosus cutaneous superficialis where mature adipocytes are seen in the papillary dermis. Here we quote a case of 65yr old female patient with a genital lipofibroma.

KEYWORDS

Lipofibroma , Nevus Lipomatosus cutaneous superficialis.

INTRODUCTION:

Lipofibroma is a rare hamartomatous condition characterized histologically by ectopic adipose tissue in the dermis and clinically by sessile or pedunculated skin coloured papule or nodule.

CASE REPORT:

A 65yr old female came with complaints of swelling in the genital area for 6 months which started as a small swelling and gradually increased in size to attain the present size. It was associated with dragging type of pain. No history of any discharge or any constitutional symptoms. No similar lesions elsewhere in the body. No history of similar complaints in the family.

On examination there was a well defined, non tender, non palatal baggy swelling measuring 6 x 6cm, arising from the labia majora. it was soft in consistency and the skin over it was non pinchable. Swelling was non fluctuant and not compressible.

The swelling was excised and send for histopathological analysis which showed epidermis with hyperkeratosis, acanthosis & papillomatosis and dermis with abundance of subcutaneous tissue with fat lobules.

DISCUSSION:

Nevus Lipomatosus cutaneous superficialis is characterized by collection of mature adipose tissue situated ectopically within the dermis. Clinically there are two principal presentations. The solitary form and the multiple form. Solitary form was described by Mehregan et al as pedunculated lipofibroma. It's an asymptomatic condition. Most common sites are pelvic girdle, limbs, back and scalp and rarely cases have been reported from the sacral area and wrist which caused carpal tunnel syndrome. Histologically it shows mature fat cells arranged in between the collagen bundles predominantly around the vessels and the eccrine glands.

The close differential diagnosis for lipofibroma of the genital area is soft fibromas, vulvovaginal cyst, inguinal hernia, lipoma. The treatment of choice is surgical excision.

CONCLUSION:

This case was reported for its rarity in site. It also shows that all swellings in the genital area are not cysts.

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LEGENDS TO IMAGES

FIG 1-Clinical picture showing lipofibroma of 6*6 cm arising from the labia majora.



FIGURE 2- Scanning view hyperkeratosis, papillomatosis and acanthosis of the epidermis

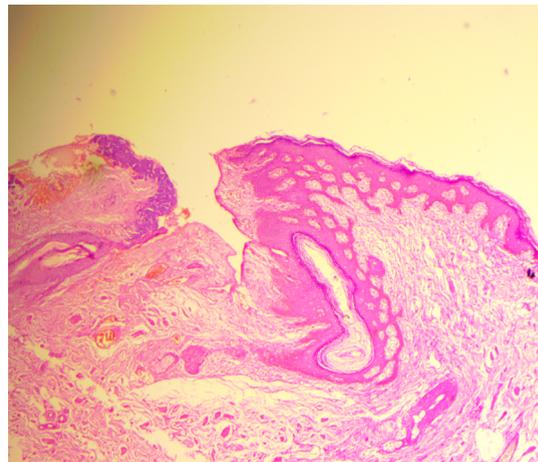
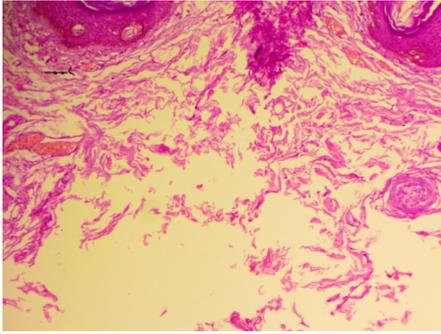


FIGURE 3- high power showing dermis with abundance of fat lobules



REFERENCES:

1. ABEL R, DOUGHERTY JW. Nevus lipomatosus cutaneus superficialis (Hoffman-Zurhelle): Report of two cases. *Archives of dermatology*. 1962 Apr 1;85(4):524-6.
2. JONES EW, MARKS R, Pongschirun D. Naevus superficialis lipomatosus: a clinicopathological report of twenty cases. *British Journal of Dermatology*. 1975 Aug;93(2):121-33.
3. Mehregan AH, Tavafoghi V, Ghandehi A. Nevus lipomatosus cutaneus superficialis (Hoffmann Zurhelle). *Journal of cutaneous pathology*. 1975 Dec;2(6):307-13.
4. Hong SM, Kim SH, Jung SE, Park KW, Kim HY. Heart-shaped pedunculated lipofibroma of the coccygeal area in a neonate. *Journal of the Korean Surgical Society*. 2013 Jan 1;84(1):70-2.
5. Patel ME, Silver JW, Lipton DE, Pearlman HS. Lipofibroma of the median nerve in the palm and digits of the hand. *The Journal of bone and joint surgery. American volume*. 1979 Apr;61(3):393-7.